

**SM3H 1.2 odd answers key**

1.  $x^2 + 3x - 10$

3.  $9x^2 + 24xy + 16y^2$ , perfect square trinomial

5.  $u - v$ , difference of squares

7.  $(8 - 5y)(8 + 5y)$ , difference of squares

9.  $(3y - 2)(9y^2 + 6y + 4)$ , difference of cubes

11.  $x = \frac{5 \pm \sqrt{53}}{2}$

13.  $x^2 + 10ix - 25$

15.  $(2x + 7i)(2x - 7i)$

17.  $3(k - 10)(k + 2)$

19.  $3n^2(2n - 1)$

21.  $(7n - 2)(n + 9)$

23.  $(r + 10)(r - 10)$

25.  $5(7y + 5x)^2$

27.  $(1 - 5x)(1 + 5x + 25x^2)$

29.  $x = 10, -9$

31.  $-2x^2 - 3x + 3$

33.  $f(-1) = 1$